

UNITED STATES NUCLEAR REGULATORY COMMISSION

REGION III 801 WARRENVILLE ROAD LISLE, ILLINOIS 60532-4351

APR 11 2002

Department of the Army

Chief, Safety Office
U.S. Army Tank-Automotive and
Armaments Command-Rock Island
ATTN: AMSTA-LC-SF
Rock Island, IL 61299-7630

Dear Mr. DELETED

Enclosed is Amendment No. 40 to your NRC Material License No. 12-00722-06 in accordance with your request. Please note that the changes made to your license are printed in **bold** font.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

Please be advised that your license expires at the end of the day, in the month, and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

- 1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
- 2. Notify NRC, in writing, within 30 days:
 - a. When the Radiation Safety Officer permanently discontinues performance of duties under the license or has a name change; or
 - b. When the mailing address listed on the license changes.
- 3. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license:
 - a. When you decide to terminate all activities involving materials authorized under the license; or
 - b. If you decide not to complete the facility, acquire equipment, or possess and use authorized material.
- 4. Request and obtain a license amendment before you:

X

- a. Change Radiation Safety Officers;
- b. Order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license;
- c. Add or change the areas of use or address or addresses of use identified in the license application or on the license; or
- d. Change ownership of your organization.
- 5. Submit a complete renewal application or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. A license will not normally be renewed, except on a case-by-case basis, in instances where licensed material has never been possessed or used.

In addition, please note that NRC Form 313 requires the applicant, by his/her signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in the General Statement of Policy and Procedure for NRC Enforcement Actions. Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Sincerely,

DELETED FOR SECURITY
REASONS

Materials Licensing Branch

License No. 12-00722-06 Docket No. 030-13027

Enclosure: Amendment No. 40

	FORM	274
NKI.	FURM	3/4

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Amendment No. 40

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

	Licen	see	In accordance January 10,		er dated			
1. D	epartment of the Army		3. License num	3. License number 12-00722-06 is amended in				
U	.S. Army Tank-Automotiv	ve and	its entirety to	read as fo	ollows:			
2. A	rmaments Command-Ro	ck Island	4. Expiration da	te August	31, 2008			
Α	TTN: AMSTA-LC-SF	n [R F 5. Pocket No. C	5: Pocket No. 030-13027				
R	ock Island, IL 61299-76	30 EA	Reference No	Ç.				
	yproduct, source, and/or speci uclear material	al Chemical a	and/or physical form		mum amount that licensee may ess at any one time under this			
Α	ŀ	⊥ am p	in sealed glass oules		Not to exceed 10 curies (370 GBq) per device (See Condition No. 10)			
В	. Hydrogen-3	ற ்//, am p	in sealed-glass	7	Not to exceed 10.2 curies (877 GBq) per device (See Condition No. 10)			
С	. Hydrogen-3	37785	in sealed glass oules	C.	Not to exceed 5.79 curies (213 GBq) per unit (See Condition No. 10)			
D	. Promethium-147	Ceral ceral	Model IE2X Sealed sence sence selection in the selection	€ D.	One millicurie per sight, tota not to exceed one curie			
E	. Hydrogen-3		um gas sealed in glass le sights		Nine millicuries per sight, total not to exceed nine curies			
F	. Hydrogen-3	sight Mod	led glass ampoules in its (Mb Microtec AG el Nos. 400/1, 400/2, 3, 400/4, 400/5 or 6)		No single sight to exceed 210 millicuries, 42 curies total			

NRC FOR	RM 374A	U.S. NUCLEAR REGULATORY COMMISSION	PAGE 2 of 3 PAGES				
			License Number 12-00722-06				
	_	MATERIALS LICENSE SUPPLEMENTARY SHEET	Docket or Reference Number 030-13027				
			Amendment No. 40				
9. Auth	norized Use	:					
A.	A. To be used in fire control devices containing self-luminous tritium sources and for possession incident to maintenance and repair of these devices and installation into artillery systems.						
B.	B. For use in Muzzle Reference Sensors (MRS) on the family of main battle tanks used by the Unit States military services.						
C.	For use in the M252 8	the M67 Sight Unit on the M120 and M121, 11mm mortar.	120mm mortar, the M224 60mm mortar and				
D. a	and E.	For possession incident to collection and	disposal as radioactive waste only.				
F.	To be used	I in Ranger Antiarmor Antipersonnel Weap	on system for shanced night firing capability.				
		CONDITIONS	CO				
10. The	total posse	ssion limit for Hydrogen-3 shall not exceed	1.5x10 ⁶ curies (55 全 Bq).				
11. A.	Rock Island and tempor maintains j containing for device is	d, Illinois and may be used at U.S. Army, N rary job sites throughout the United States urisdiction for regulating the possession an hydrogen-3 shall not be opened or remove	6.F. may be stored at Rock Island Arsenal, ational Guard and Marine Corps installations and any other location where the Commission d/or use of licersed material. Ampoules of from fire control devices except as necessary at meet criteria for depot level maintenance as				

B. Licensed material listed in Items 6.D. and 6.E. may be possessed incident to collection and disposal as radioactive waste only, throughout the United States and any other location where the Commission maintains jurisdiction for regulating the possession of licensed material.

National Guard and Marine Corps. civilian and/or military personnel trained in accordance with letter

DETER FOR SECURITY FEASONS

Licensed material shall be used by, or under the supervision of,

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12. A.

dated January 10, 2002.

C. Alternate Radiation Safety Officer:

13. Sealed sources containing licensed material shall not be opened.

B. Radiation Safety Officer:

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	•			License Number 12-00722-06					
	· ·	MATERIALS LICENSE SUPPLEMENTARY SHEE		Docket or Reference Number 030-13027					
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		authorized to transport laging and Transportation			h the pi	ovis	ions	of 1	IO CFF
	sources receive for inspection b	nall conduct a physical in ed and possessed under by the Commission, and s led sources and the date	the license. The reshall include the qu	ecords of the invento	ries sha	all be	e ma	ainta	ined ,
6.	Notwithstandinitems of equipr	g the color requirements nent with colors as desc	in 10 CFR 20.1901 ibed in letter dates	(a), the licensee is October 29, 1997.	authoriz	ed t	o lal	oel f	ielded
7.	accordance with any enclosures the statements more restrictive A. Letters da 1999, Dec training), E	cifically provided otherwish the statements, representations. The U.S., representations, and presentations, and presentations. Ited October 29, 1997, Member 6, 1999 (excluding December 9, 1999, May 2, and and 1999, May 2, and	entations, and prod Nuclear Regulator rocedures in the lice ay 13, 1998, Augu g Page 2, first para 2, 2000 July arch 14, 2000 and	cedures contained in y Commission Streguensee's application a st 14, 1998, March graph, regarding Darry 10, 2002; and	the doc lations: nd corre	shall espo	ents I gov onde	, inc vern ence aber	unless are 29,
			FOR THE U.S. NU	CLEAR REGULATO	RY COI	MMI	SSIC	NC	
Date	APR 11 20	02	DELETED FORS By REASONS	security					
			Materials Licensi Region III	ng Branch					